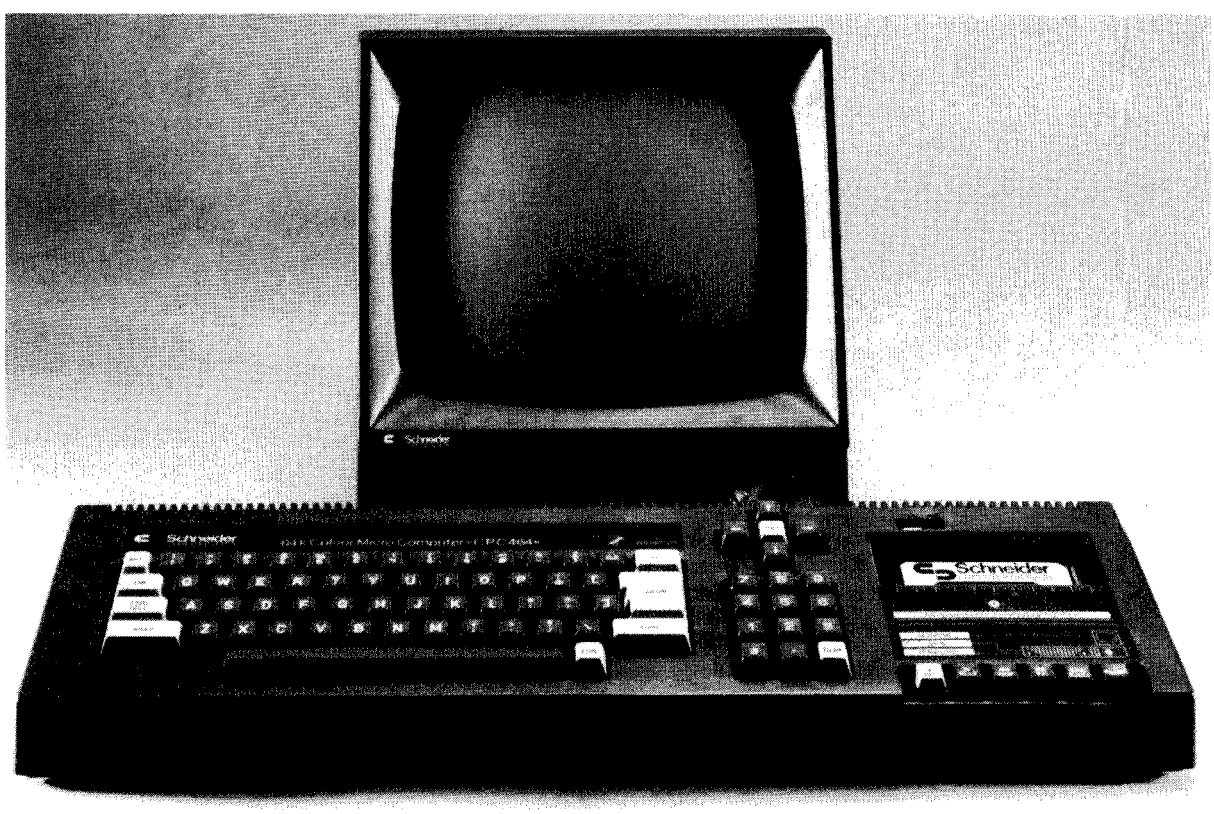
Kundendienst Handbuch
Service Manual

Schneider

»CPC 464 Micro Computer«

Ident-Nummer 36573

http://www.manualscenter.com



Kopf – Azimuth

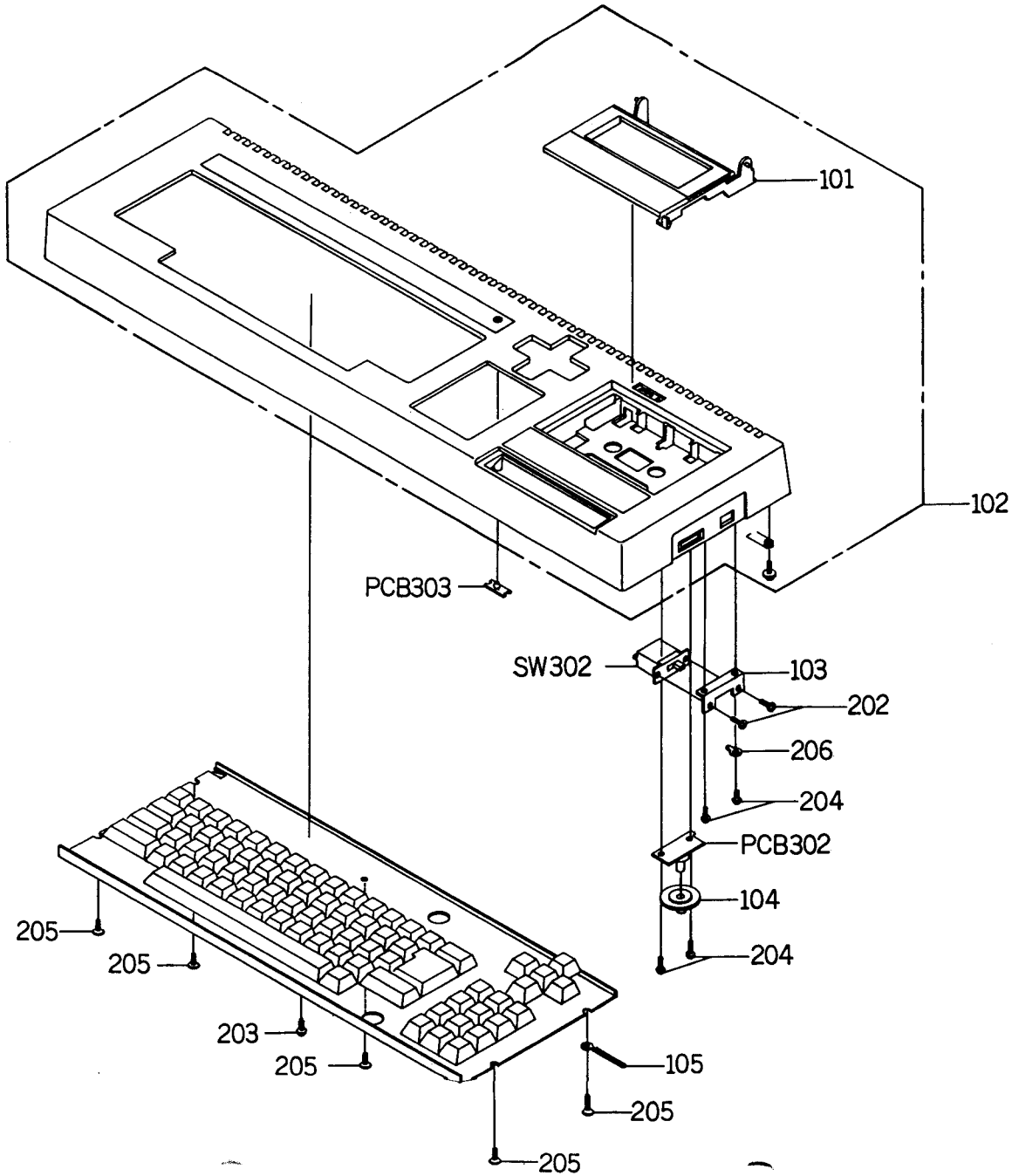
1. Legen Sie das Testband (z. B. TEAC MTT-113C) ein
2. Drehen Sie das Lautstärkepoti auf maximale Lautstärke
3. Schließen Sie an PIN 7 von IC 302 ein Millivoltmeter und einen Oscilloscope an
4. Drücken Sie die »Play«-Taste
5. Justieren Sie die Azimuth-Schraube auf maximalen Zeigerausschlag des Millivoltmeters (330–520 mV)

Head Azimuth

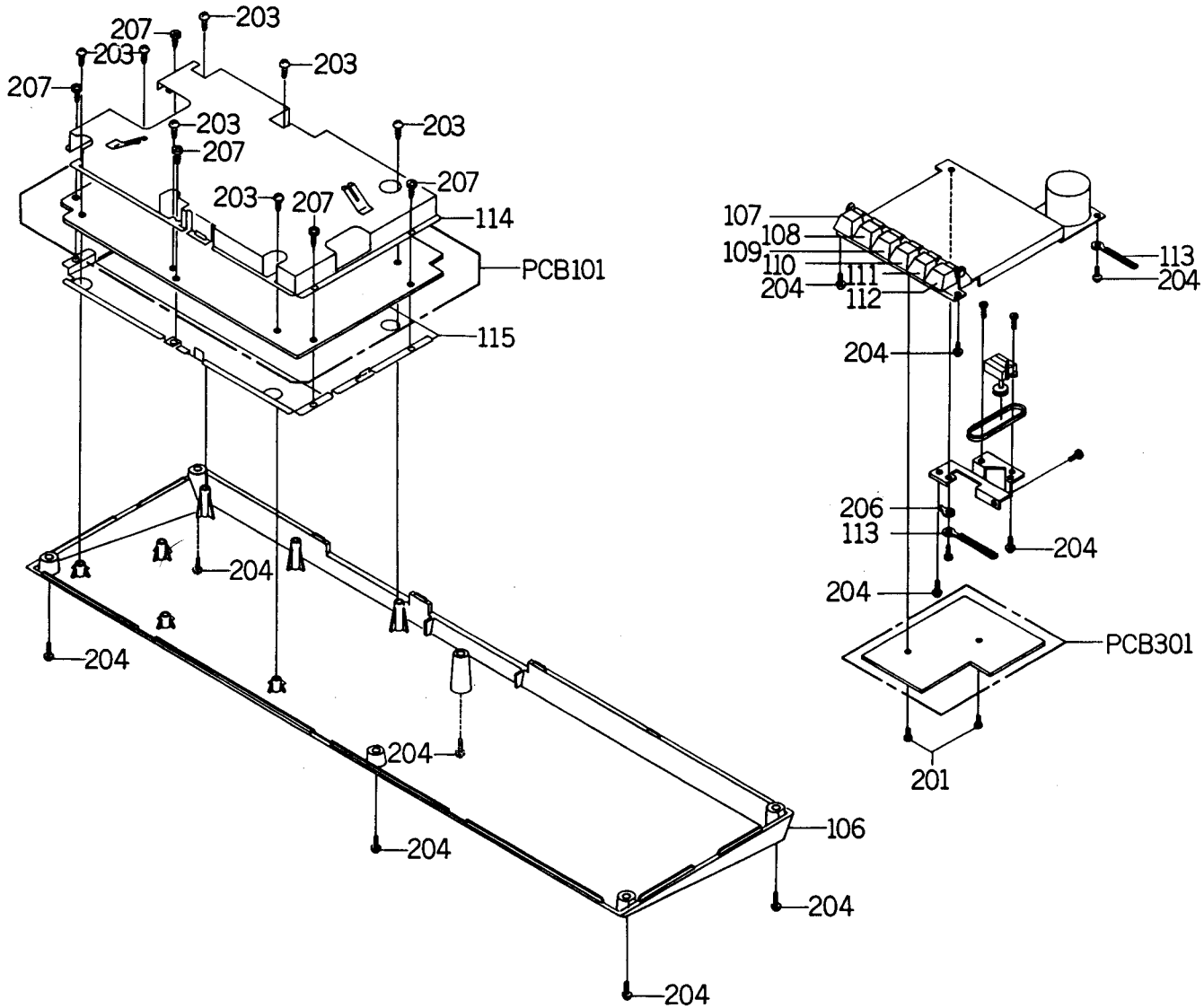
1. Insert test tape, TEAC Type MTT-113C (or equivalent)
2. Set Volume control to maximum
3. Connect lead wire from pin 7 of IC 302 to vacuum tube volt meter and oscilloscope
4. Advance tape to azimuth section
5. Adjust the screw (404) for maximum reading VTVM (330–520 mV)

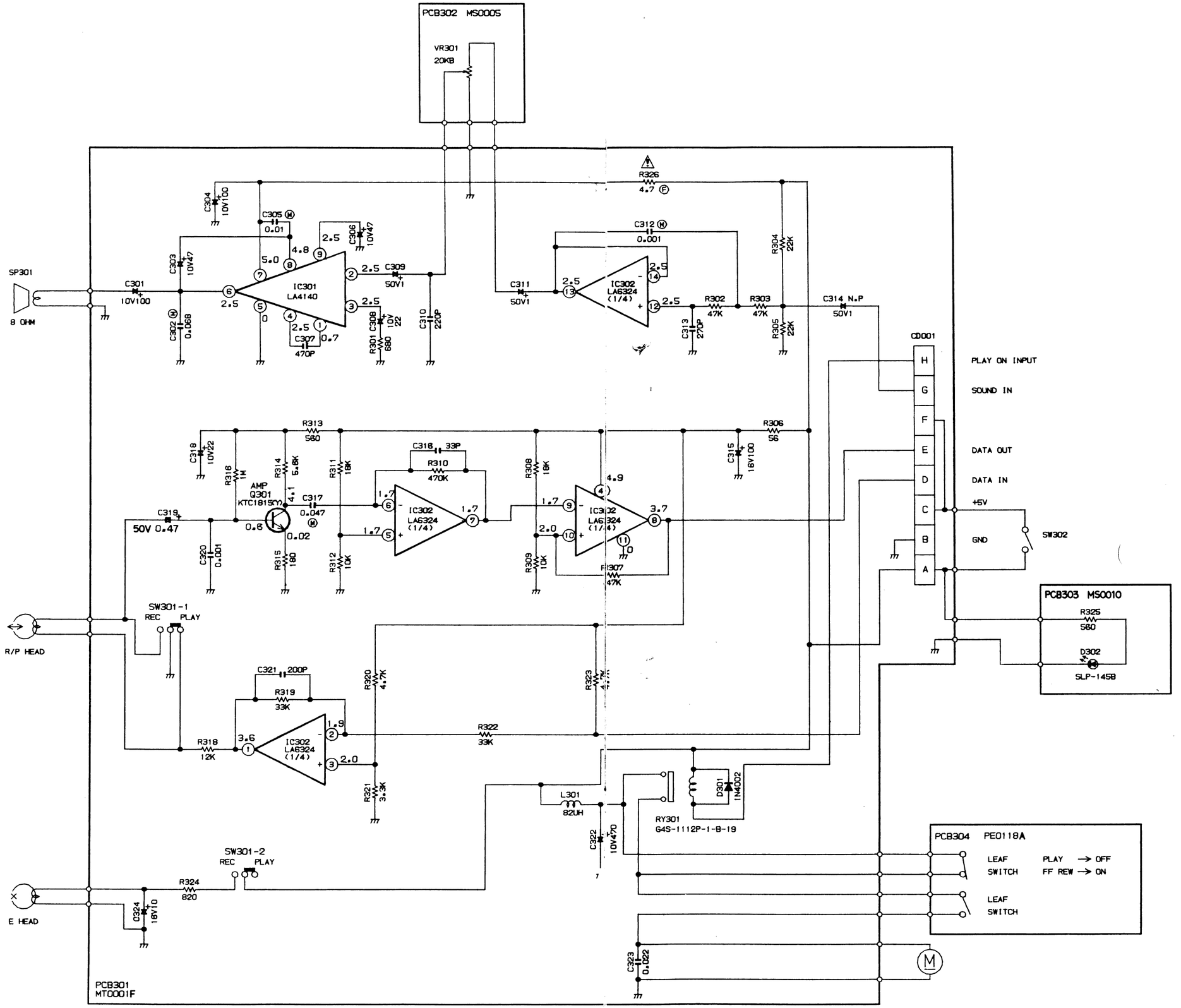
Ersatzteilliste CPC 464 Micro Computer
Parts List for Model CPC 464 Micro Computer

Best.-Nr. Part.-No.	Bezeichnung	Description		Zeich.-Pos. Ref.-No.	Preisgruppe
2637900	Cassettenfachdeckel	Lid, cassette		101	C 1
2638000	Abdeckung Fachdeckel	Plate, cassette lid			A 9
2638100	Abdeckung Fachdeckel	Plate, cassette lid			A 9
2638200	Reflektor	Plate, reflecting			A 1
4058400	Gehäuse Oberteil	Cabinet, top		102	D 3
		Plate, color			
		Plate, system flow chart			
		Plate, brand			
		Cushion	6×6×1 t		
	Winkel, Netzschalter	Bracket, power switch		103	
2638500	Knopf, Dreh	Knob, volume		104	A 3
	Kabelhalter	Cord clamp	No.P-45 DIA4	105	
	Kabelhalter	Cord clamp	No.PEC-034-0 DIA3	113	
4058600	Gehäuseboden	Cabinet, bottom		106	C 8
		Plate, rating			
2638700	Knopf Taste	Button, deck (REC.)		107	A 5
2638800	Knopf Taste	Button, deck (PLAY)		108	A 5
[illegible]38900	Knopf Taste	Button, deck (REW.)		109	A 5
[illegible]39000	Knopf Taste	Button, deck (F.F.)		110	A 5
2639100	Knopf Taste	Button, deck (STOP/EJECT)		111	A 5
2639200	Knopf Taste	Button, deck (PAUSE)		112	A 5
	Folienbeutel	Poly bag, set		–	
2639300	Styropor CPC 464	Package, left		–	A 9
2639400	Styropor CPC 464	Package, right		–	A 9
		Gift box		–	
		Band, cord clamp		–	

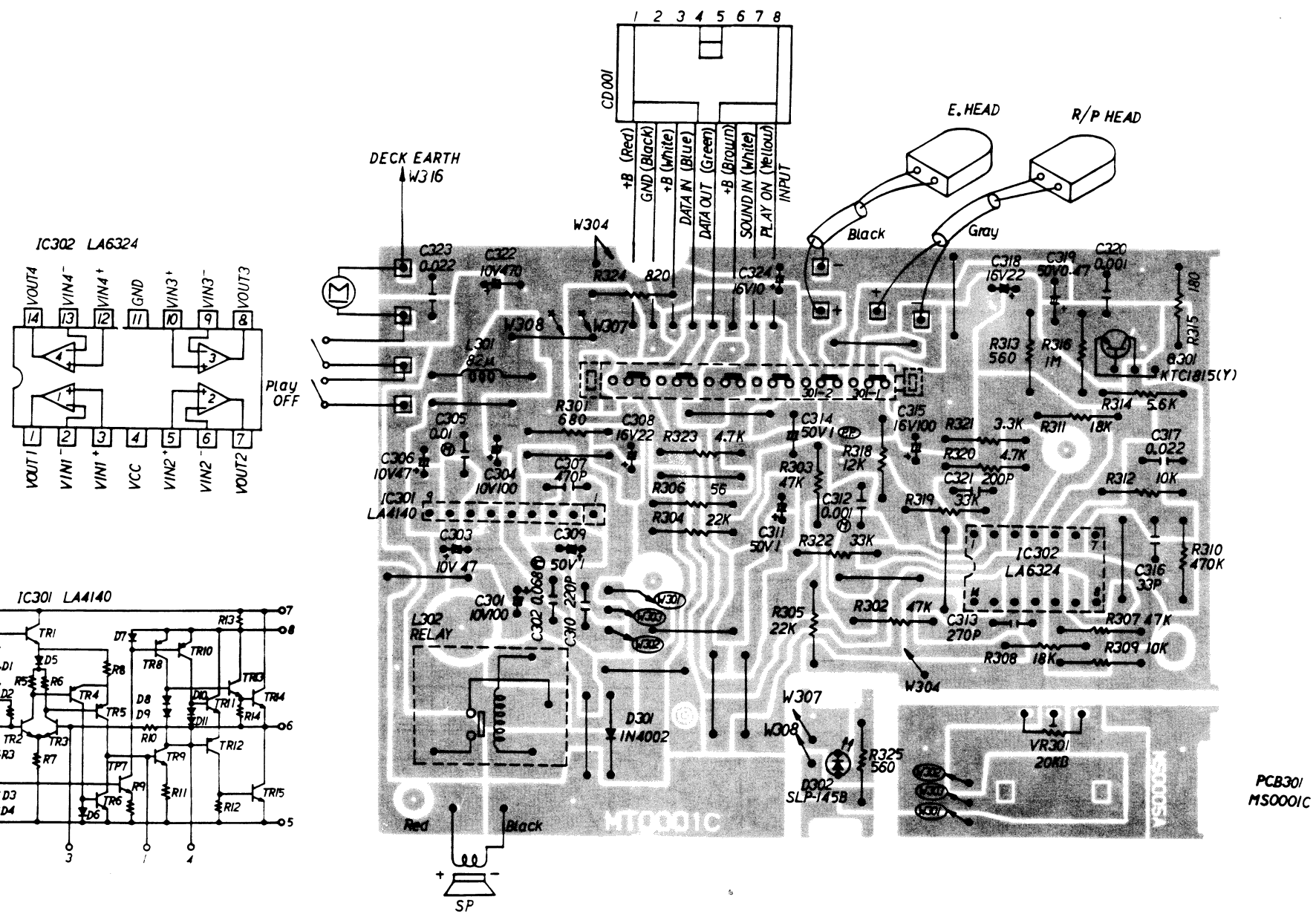


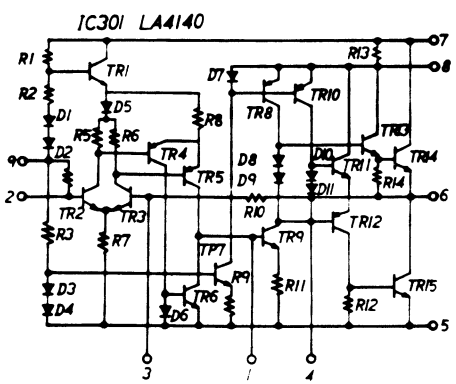
http://www.manualscenter.com


207
203
203
207
203
203
203
207
207
203
207
114
PCB101
115
204
204
204
204
204
106
204
107
108
109
110
204
111
112
113
204
204
206
113
204
204
PCB301
201



http://www.manualscenter.com





http://www.manualscenter.com

Ersatzteilliste CPC 464 Micro Computer
Parts List for Model CPC 464 Micro Computer

Best.-Nr. Part.-No.	Bezeichnung	Description		Zeich.-Pos. Ref.-No.	Preisgruppe
IC's					
2634400	IC HD74LS145			IC101	B 5
2634500	IC AY-3-8912			IC102	C 8
2634600	IC TMM-23265P-1950			IC103	E 3
2634700	IC HD74LS153			IC104	B 2
2634700	IC HD74LS153			IC105	B 2
2634800	IC HD74LS273			IC106	B 8
2634900	IC M5L8255AP-5			IC107	C 9
2635000	IC HK6845SP			IC108	C 9
2634700	IC HD74LS153			IC109	B 2
2635100	IC HD74LS132			IC110	B 5
2635200	IC Z8400APS			IC111	C 6
2635100	IC HD74LS132			IC112	B 5
2634700	IC HD74LS153			IC113	B 2
2635300	IC HD74LS373			IC114	B 8
2635400	IC HD74LS244			IC115	B 9
2635500	IC 20RA043			IC116	E 9
2635600	IC HM4864U-2			IC117	C 2
2635600	IC HM4864U-2			IC118	C 2
2635600	IC HM4864U-2			IC119	C 2
2635600	IC HM4864U-2			IC120	C 2
2635600	IC HM4864U-2			IC121	C 2
2635600	IC HM4864U-2			IC122	C 2
2635600	IC HM4864U-2			IC123	C 2
2635600	IC HM4864U-2			IC124	C 2
2635700	IC ZN7400E-D3			IC125	B 0
2635800	IC LA4140			IC301	B 1
2438900	IC LA6324			IC302	B 0
Transistoren/Transistors					
2635900	Trans. KTC2120Y	Silicon		Q101	A 3
2173600	Trans. KTC1815Y	Silicon		Q102	A 3
2173600	Trans. KTC1815Y	Silicon		Q301	A 3
Dioden/Diodes					
0807900	Diode 1S2472-HL	Silicon		D101	A 2
1123900	Diode 1N4002	Silicon		D301	A 1
2636100	LED SLP-145B			D302	A 3
Spulen und Trafos/Coils and Transformers					
2636200	COIL LAL04KAB820K	82µH		L301	A 3
2636300	TAPE DEMO FOR PC	C-12		T101	C 3
4058700	Filter, line			L101	B 1
4058800	Filter, noise			L102	C 0
Buchsen und Stecker/Jacks and Connections					
2636400	Buchse, DIN	Jack, DIN	TCS4460-01-1011	J101	A 9
2636500	Sockel, D Sub 9	Socket, D Sub 9	M59-09-30-134	J102	B 1
2636600	Buchse, RCA 3.5	Jack, RCA 3.5	HSJ1061-01-440	J103	A 7
2636700	Buchse, DC	Jack, DC	HEC0470-01-630	J104	A 7
Schalter/Switches					
2636800	Schiebeschalter	Switch, slide	KSC-6206	SW301	A 8
2636900	Schiebeschalter	Switch, slide	ESD-3975	SW302	B 4
3755300	Tastatur kpl.	Switch, key board	ESU-242	SW303	F 2

Ersatzteilliste CPC 464 Micro Computer
Parts List for Model CPC 464 Micro Computer

Best.-Nr. Part.-No.	Bezeichnung	Description		Zeich.-Pos. Ref.-No.	Preisgruppe
Potentiometer/Semi-Fixed Resistors					
2637100	Drehwi. L	Volume, rotary	EVJFDAF20B24	VR301	A 7
Platinen/P.C. Boards					
2637200	PCB		MT0001A	PCB301	D 8
2637300	PCB		MS0005A	PCB302	B 1
2637400	PCB		MS0010	PCB303	A 7
4058900	PCB		MC0046A	PCB101	F 9
Verschiedenes/Miscellaneous					
4058500	Steckverbindung	Cord, eis connector	8318020F	CD001	B 3
2637600	Relais	Relay	G4S-112P-1-B19	RY301	B 5
2637700	Lautsprecher	Speaker	C040K01K2451	SP301	B 4
2637800	Quarz	Crystal	HC-18/U 16MHz	X101	B 7

http://www.manualscenter.com

IC107
TMP-8255AP

IC102
AY-3-8912

CPU
RESE

9PIN D
J102 CONNECTOR
COM 2
SPARE
FIRE 1
FIRE 2
RIGHT
LEFT
DOWN
UP
COMMON

IC101
74LS145

CP803 KEYBOARD
CP802
KEYBOARD

NR101 2.2Kx6
R113 1K
KTC2120
Q101
B101
B-20
J104
DC INPUT
B111
B112
B106
B109
B108
B107
MOTOR|8
SOUND|7
+5VK SWITCH|6
RD DATA|5
WR DATA|4
+5VK SWITCH|3
GND|2
+5V|1
CP801
TAPE PORT

LK4
LK3
LK2
LK1
VSYNC
EXP

R101 3.3M
D101 1S2472
R111 1M
R145 10M
AA1 IC125
AA2 IC125
TC74HCU04AP
AA3 IC110
74LS132
AA4 IC110
74LS132
RESET
C102 0.1
R102 2.2K
BUS

IC111
Z8400APS
R109 2.2K
R110 2.2K
BUSRQ
INT
NMI
READY
BUSAK
HALT
MREQ
M1
RFSH
A15
A14
A13
A12
A11
A10
A9
A8
A7
A6
A5
A4
A3
A2
A1
A0
D7
D6
D5
D4
D3
D2
D1
D0

AA5
74LS32IC112
IOWR
AA6
74LS32IC112
IORQ
R154 4.7K
(HS-CMOS → USE)
RD
WR
IORQ
+5V

R114 10K
R115 10K
R116 10K
SOUND
R121 1K
R122 1K
R123 1K
R117 10K
R118 10K
R119 22K
R120 10K
J103
STEREO JACK
L101
ESD-A-10A

RESET
+5V
IC106
74LS273
AA9
IC119
74LS32
STROBE
PL2 PRINTER PORT
36 WAY

AA8
74LS32 IC112
IOWR
A12

IC103
AMSTRAD 40082
+5V
R112 2.2K
R156 47
ROMEN
ROMDIS

PL1 EXPANSION CONNECTOR 50 WAY
SOUND
EXP
LPEN
CURSOR
RAMDIS
RAMRD
ROMDIS
ROMEN
RESE
BUS
READY
BUSAK
BUSRQ
NMI
INT
HALT
WR
RD
IORQ
RFSH
M1
MREQ
+5V
DB

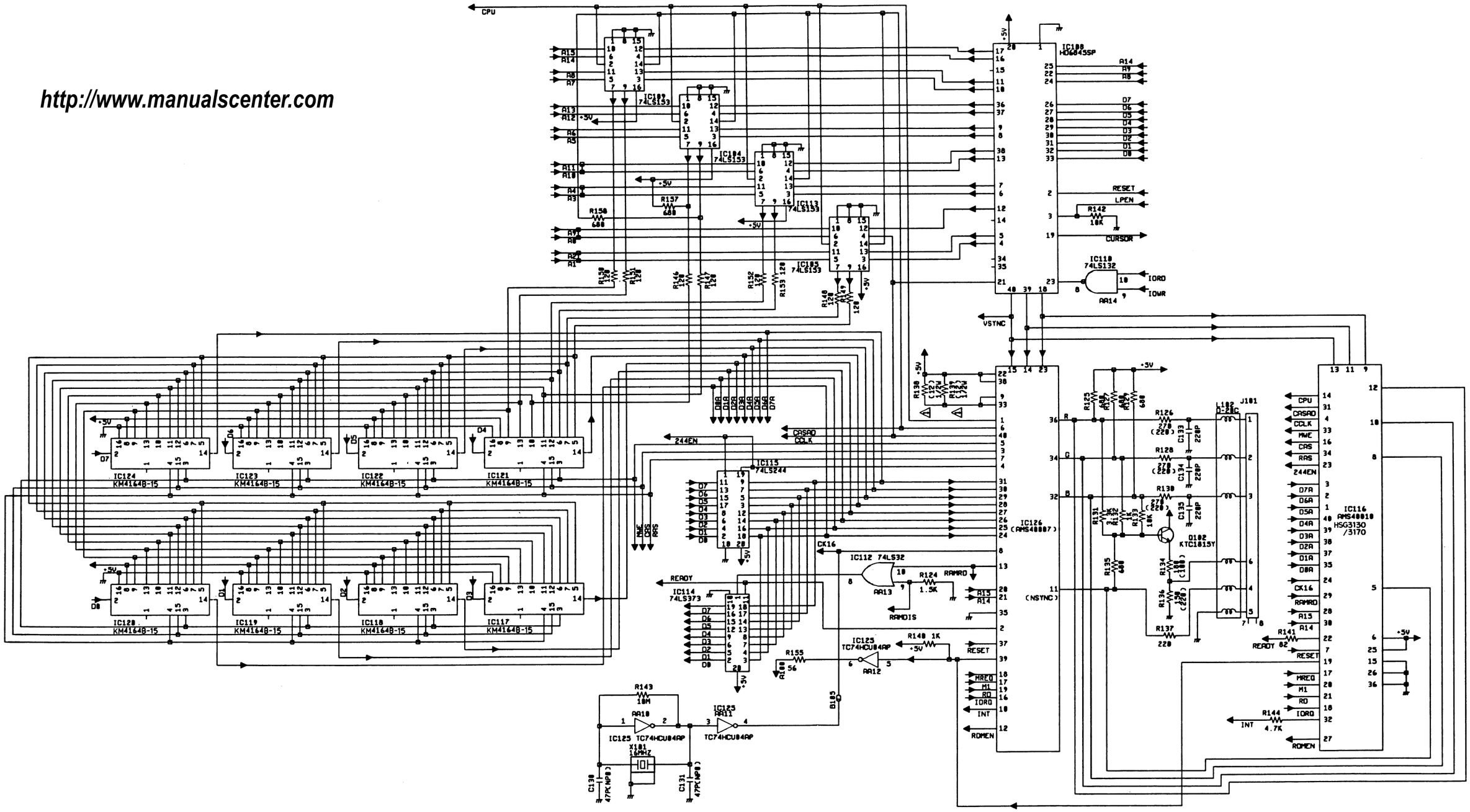
16V47
C101 0.1
C104 0.1
C105 0.1
C106 0.1
C107 0.1
C108 0.1
C109 0.1
C110 0.1
C111 0.1
C112 0.1
C113 0.1
C114 0.1
C115 0.1
C116 0.1
C117 0.1
C118 0.1
C119 0.1
C120 0.1
C121 0.1
C122 0.1
C123 0.1
C124 0.1
C125 0.1
C126 0.1
C127 0.1
C128 0.1
C129 0.1

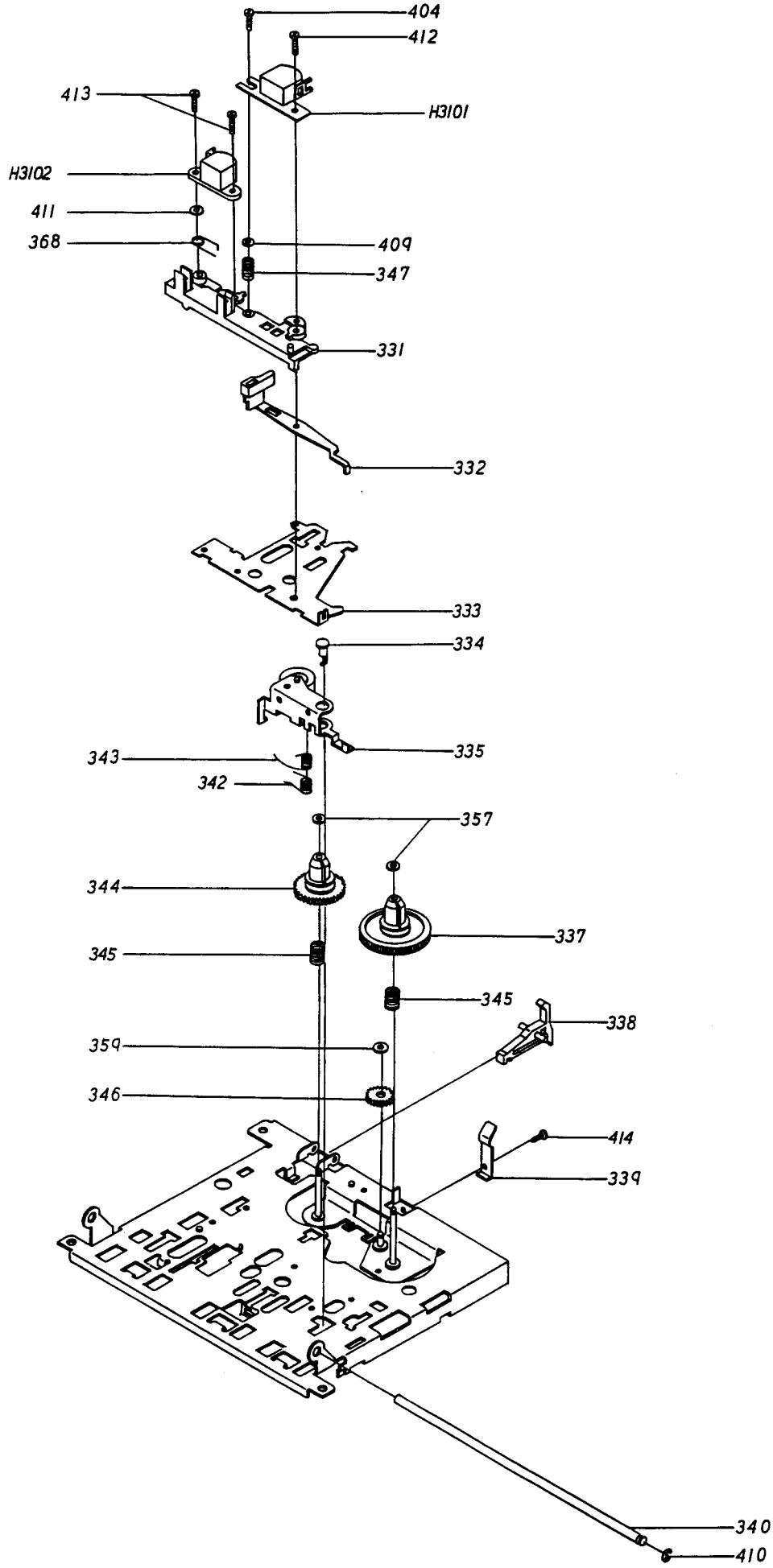
CAUTION: SINCE THESE PARTS MARKED BY ⚠ ARE CRITICAL FOR SAFETY, USE ONES DESCRIBED ON PARTS LIST ONLY.

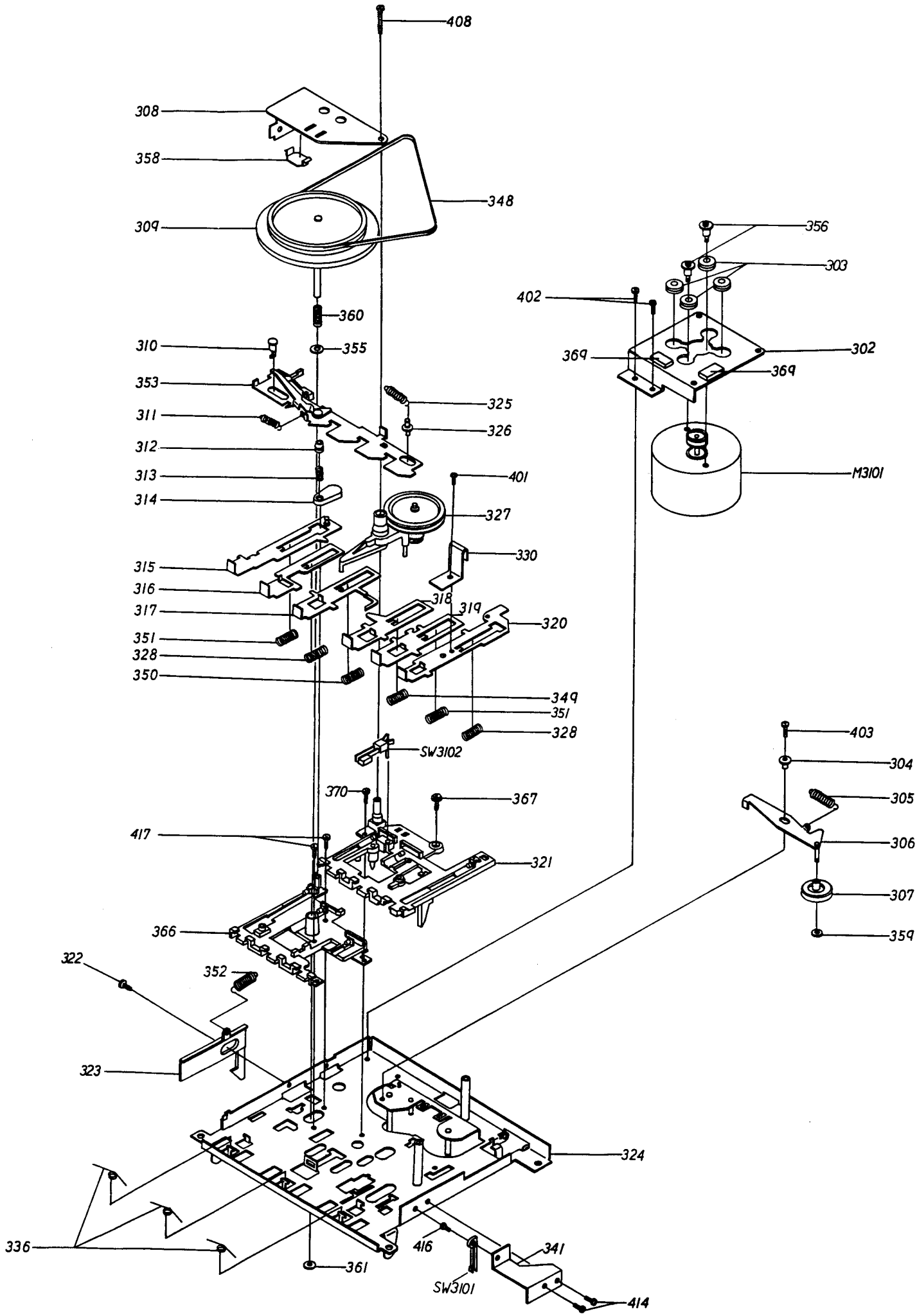
ATTENTION: LES PIECES REPAREES PAR UN ⚠ ETANT DANGEREUSES AN POINT DE VUE SECURITE N'UTILISER QUE CELLS DECRITES DANS LA NOMENCLATURE DES PIECES.

NOTE: THIS SCHEMATIC DIAGRAM IS THE LATEST AT THE TIME OF PRINTING AND SUBJECT TO CHANGE WITHOUT NOTICE.

http://www.manualscenter.com




404
412
413
H3101
H3102
411
368
409
347
331
332
333
334
335
343
342
357
344
337
345
345
338
359
346
414
339
340
410


408
308
358
348
309
360
310
355
353
325
311
326
312
313
401
314
327
330
315
316
317
318
319
320
351
328
350
349
351
328
SW3102
370
367
417
321
366
322
352
323
324
336
361
416
341
SW3101
414
356
303
402
302
369
369
M3101
403
304
305
306
307
359

Tape-Deck

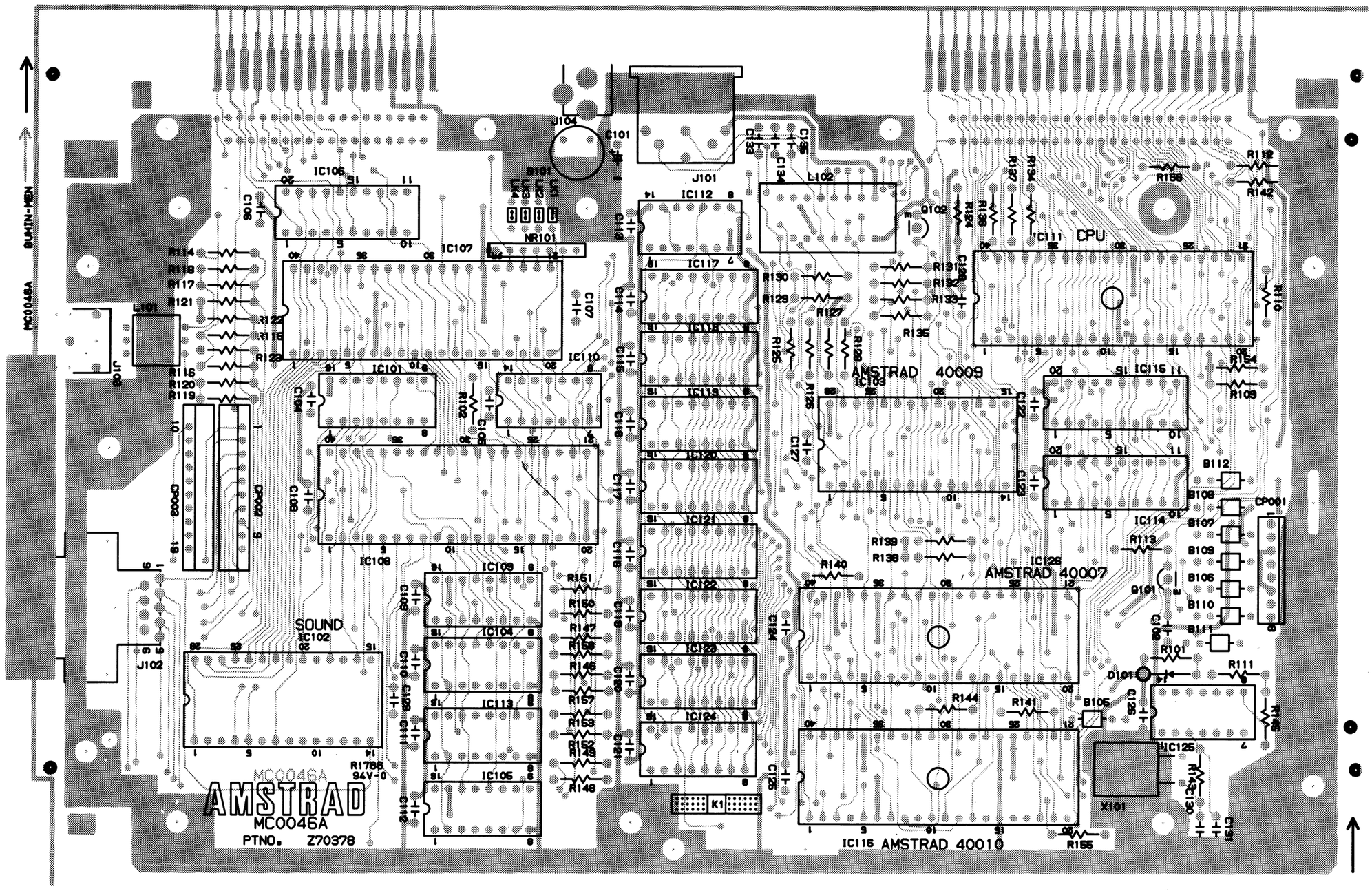
Best.-Nr. Part.-No.	Bezeichnung	Description	Zeich.-Pos. Ref.-No.	Preisgruppe
		Bracket, motor	302	
		Motor rubber bush	303	
2158000	Feder für Antriebsrad	Take up roller arm collar	304	A 3
		Take up roller arm spring	305	
		Take up roller arm (A)	306	
2294500	Hebel für Antriebsrad	Take up roller shaft		A 7
2157900	Antriebsrad	Take up roller (A)	307	B 0
		Flywheel placing plate	308	
		Flywheel holder		
2639500	Schwungmasse	Flywheel	309	C 1
		Flywheel plate		
		Capstan		
2294600	Fixierstift	Actuator shaft	310	A 1
2294700	Feder für Auslösehebel	Auto lever spring	311	A 1
2103300	Pause Stopper	Stopper pause	312	A 1
2639600	Feder für Stopper	Pause lever spring	313	A 2
2103100	Schalthebel Pause	Pause lever	314	A 3
639700	Pausehebel	Pause button lever (ZH)	315	A 4
		Lever pin		
2639800	Stophebel	Stop button lever (ZH)	316	A 4
2639900	Vorlaufhebel	Fast forward button lever (ZH)	317	A 4
2640000	Rücklaufhebel	RWD button lever (ZH)	318	A 4
2640100	Wiedergabehebel	Play button lever (ZH)	319	A 4
2640200	Aufnahmehebel	Rec button lever (ZH)	320	A 4
		Button base right	321	
		E Collar screw	322	
2294900	Gleithebel Eject	Eject slide lever	323	A 2
		Chassis	324	
		Reel shaft		
		Fast forward gear shaft		
		Stud P.C.B.		
2640300	Feder Bedienteil	Actuator spring	325	A 2
2180500	Bolzen	Actuator shaft (B)	326	A 3
2146600	Rutschkupplung	RF gear	327	B 3
		RF shaft (A)		
		RF pulley arm (A)		
		RF pulley		
		Nylon washer		
2640300	Feder für Tastenhebel	Button lever spring	328	A 2
2159000	Micro-Schalter	Leaf switch	329	A 9
2640400	Blattfeder	Spring, recording	330	A 3
2295100	Kopfträgerplatte	Head base	331	A 4
157300	Stopfühler	Sensing cap	332	A 7
		Sensing plate		
		Head panel	333	
2640500	Haltebolzen	Pinch roller arm stopper	334	A 2
2157500	Bandandruckrolle	Pinch roller	335	B 2
		Pinch roller shaft		
		Pinch roller arm		
2640600	Feder	Button knob spring	336	A 1
2158300	Wickelteller rechts	Reel gear	337	B 3
		Reel pulley		
		Reel fan		
		Clutch spring		
		Felt		
2157100	Aufnahmesperrhebel	Record safety lever	338	A 4
2100600	Cassettenandruckfeder	Pack holder spring	339	A 2
		Button lever shaft	340	
		Bracket, switch	341	
2157600	Feder für BA-Rolle	Pinch roller spring	343	A 3
2158500	Wickelteller links	Supply reel	344	B 2
2158400	Feder für Wickelteller	Back tension spring	345	A 3
2158100	Zahnrad	Fast forward gear	346	A 7
2157200	Feder A/W-Kopf	Head spring	347	A 3
2640700	Antriebsriemen	Main belt	348	A 9
2640800	Feder für Tastenhebel	Button lever spring	349	A 1
2640900	Feder für Tastenhebel	Button lever spring	350	A 1

http://www.manualscenter.com

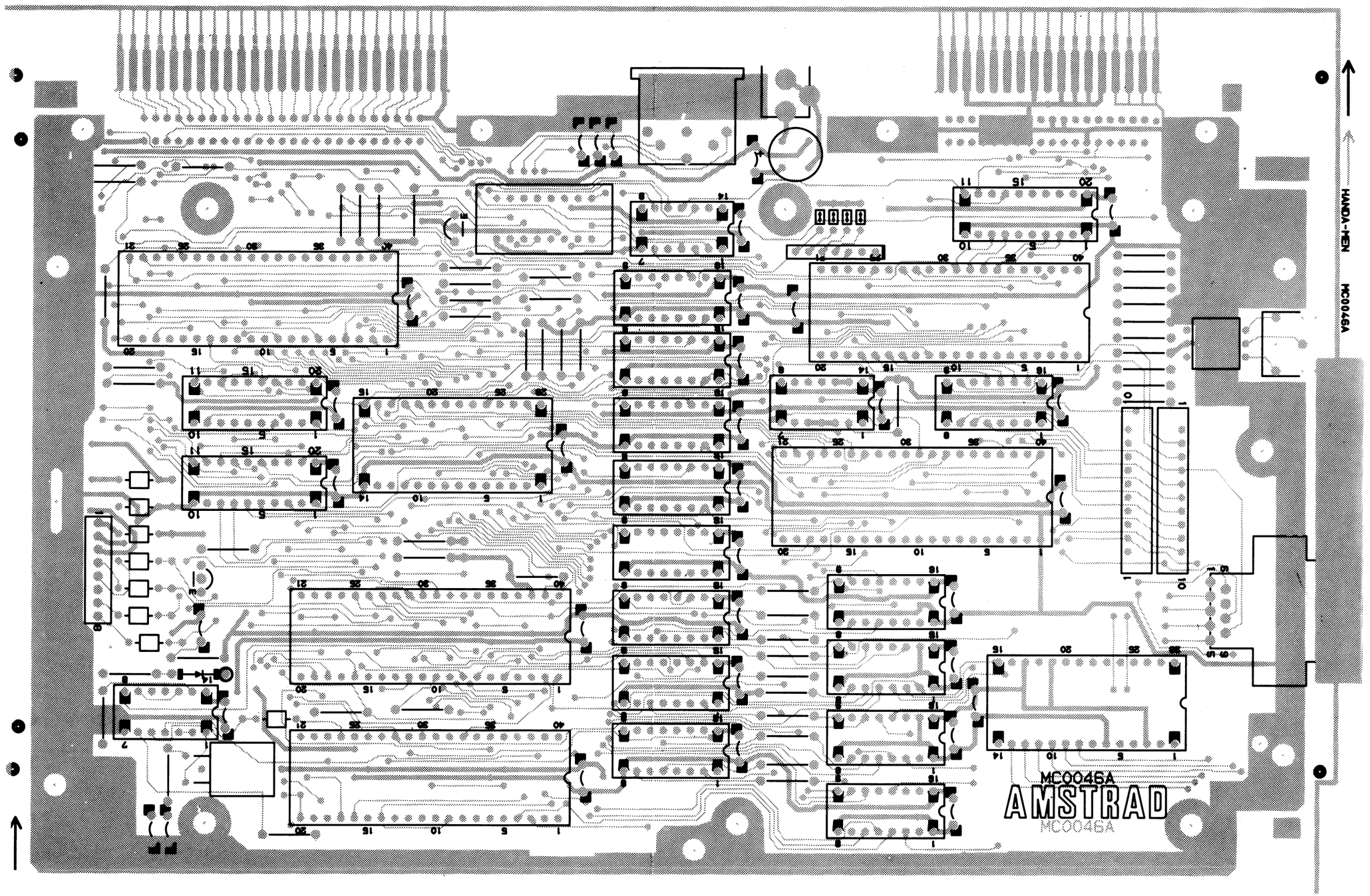
Ersatzteilliste CPC 464 Micro Computer
Parts List for Model CPC 464 Micro Computer

Tape-Deck

Best.-Nr. Part.-No.	Bezeichnung	Description		Zeich.-Pos. Ref.-No.	Preisgruppe
2641000	Feder für Tastenhebel	Button lever spring		351	A 1
2641100	Feder für Fachöffner	Eject slide spring		352	A 2
2295200	Auslösehebel	Push button actuator		353	A 8
2641200	Nylon Scheibe	Nylon washer	2.05×8×0.5	355	A 1
2641300	Sicherungsscheibe	Polyslider washer (cut)	1.6×3.4×0.3	357	A 1
2180000	Schwungmassehalteplatte	Flywheel plate holder		358	A 3
2641400	Sicherungsscheibe	Polyslider washer (cut)	1.2×3×0.25	359	A 1
2641500	Feder für Schwungmasse	Flywheel thrust spring		360	A 1
2641600	Zählwerkriemen	Counter belt		365	A 7
2641700	Zählwerk	Counter	MJ390-028	CTR01	B 6
2641800	A/W-Kopf	Head, record-playback	RP-5121-AE6210	H3101	C 7
2641900	Löschkopf	Head, erase	E-721-AC-0328	H3102	B 9
2642000	Antriebsmotor	Motor, mechanical governor	MM1T60M22-9	M3101	D 6
2642100	Motorschalt-Kontakt	Switch, leaf	LSA-1115D	SW3101	A 6
2933900	Laufwerk kompl.	Cassette mechanism assembly			E 2



http://www.manualscenter.com



http://www.manualscenter.com